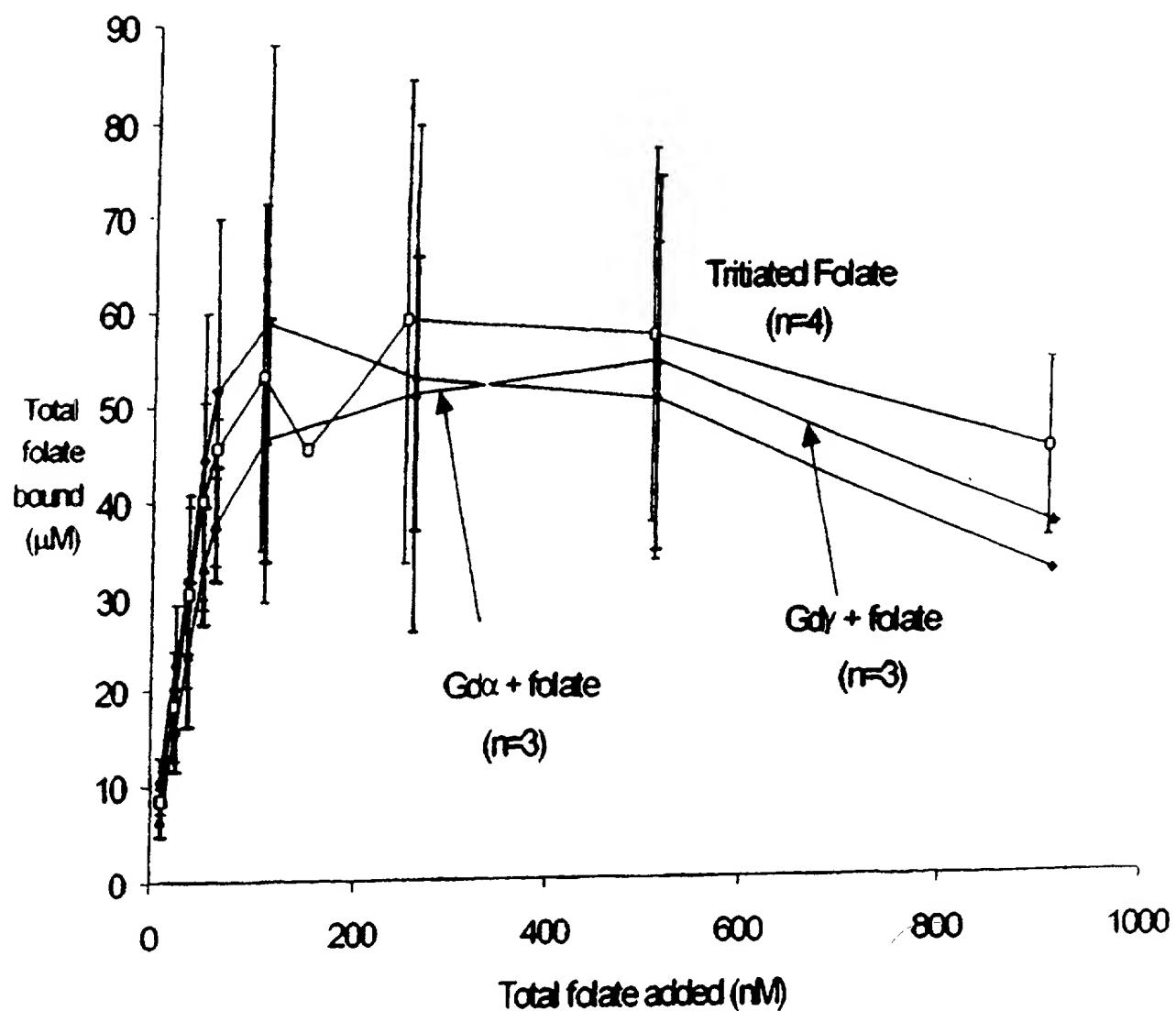


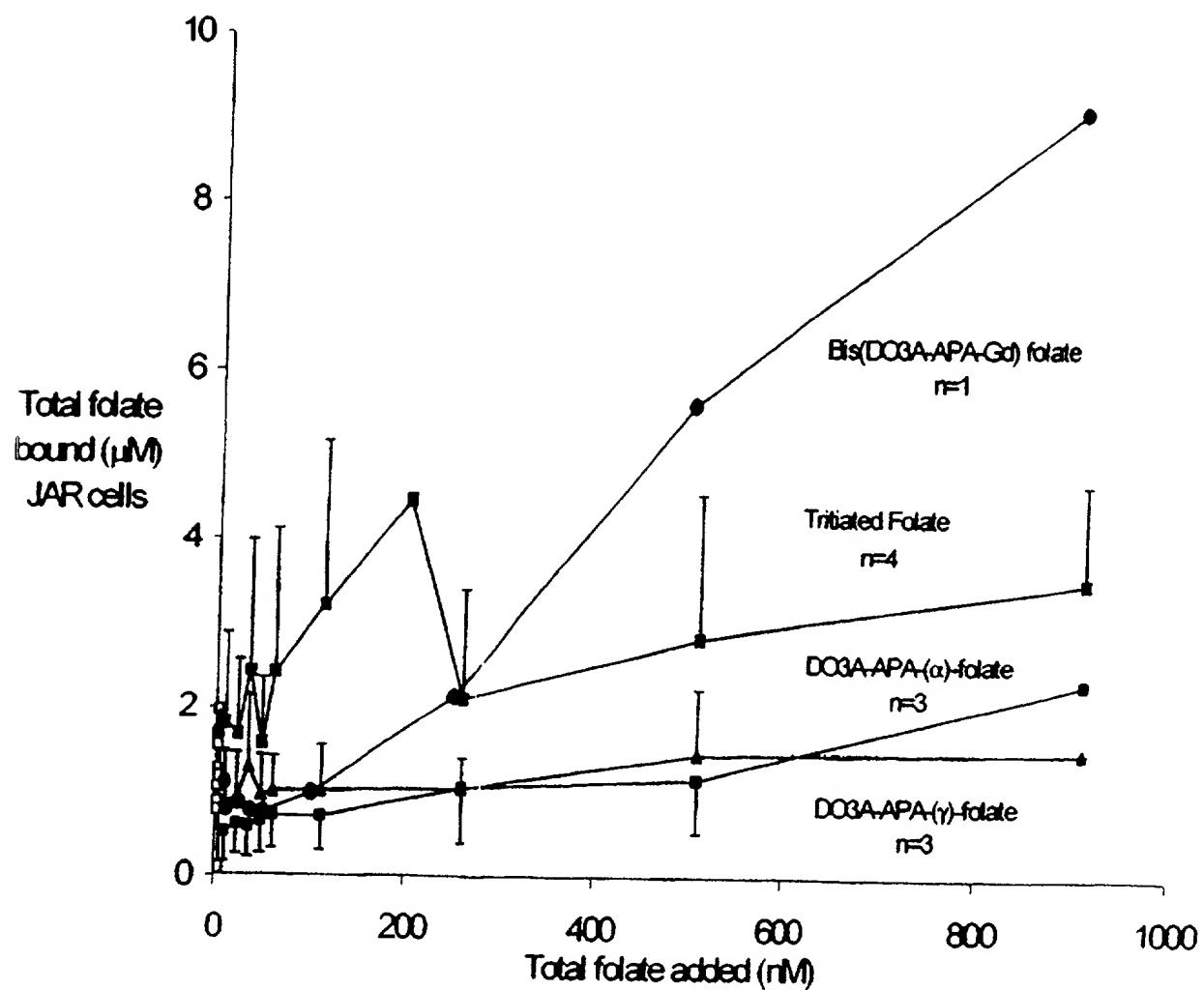
**FIGURE 1**

Binding of  $^{153}\text{Gd}$ -DO3A-APA-( $\alpha$ )-folate,  $^{153}\text{Gd}$ -DO3A-APA-( $\gamma$ )- folate or  $^3\text{H}$  folate to KB cells at 37°C



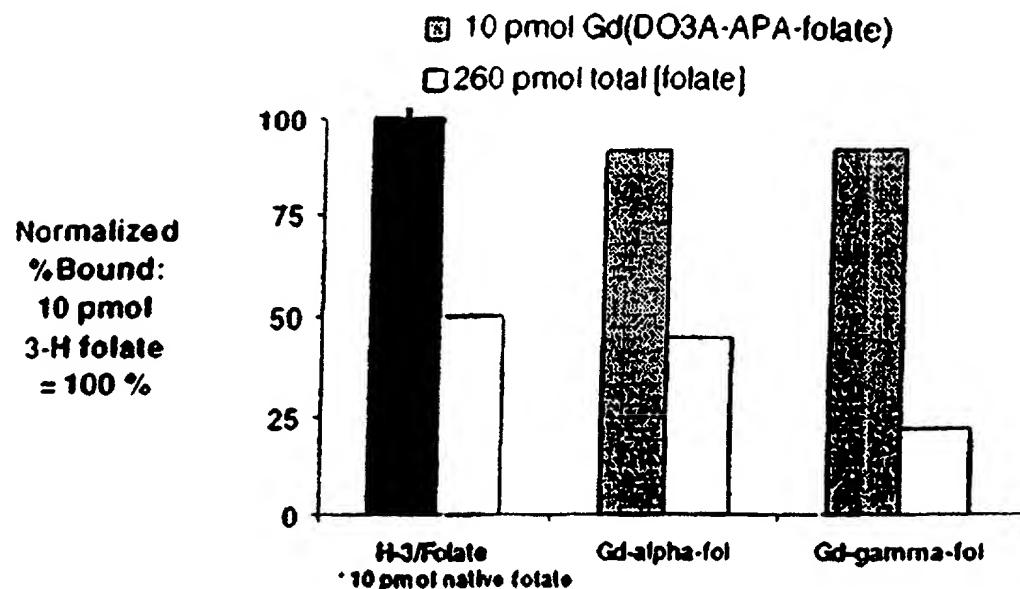
**FIGURE 1A**

Binding of  $^{153}\text{Gd}$ -folates or  $^3\text{H}$  folate to JAR cells at 37°C  
(10 pmol of radiolabeled compound plus 0 to 900 pmol of cold folate)



## Figure 2

**Binding of  $^3\text{H}$ -folate and alpha or gamma isomer of  $^{15}\text{Gd}$ -DO3A-APA-folate to KB cells at  $4^\circ\text{C}$  in the presence and absence of excess folate.**



**FIGURE 3**

Washout of  $^{153}\text{Gd}(\text{DO3A-APA})$ -( $\alpha$ - or  $\gamma$ -)folate or  $^3\text{H}$ -folate from JAR cells

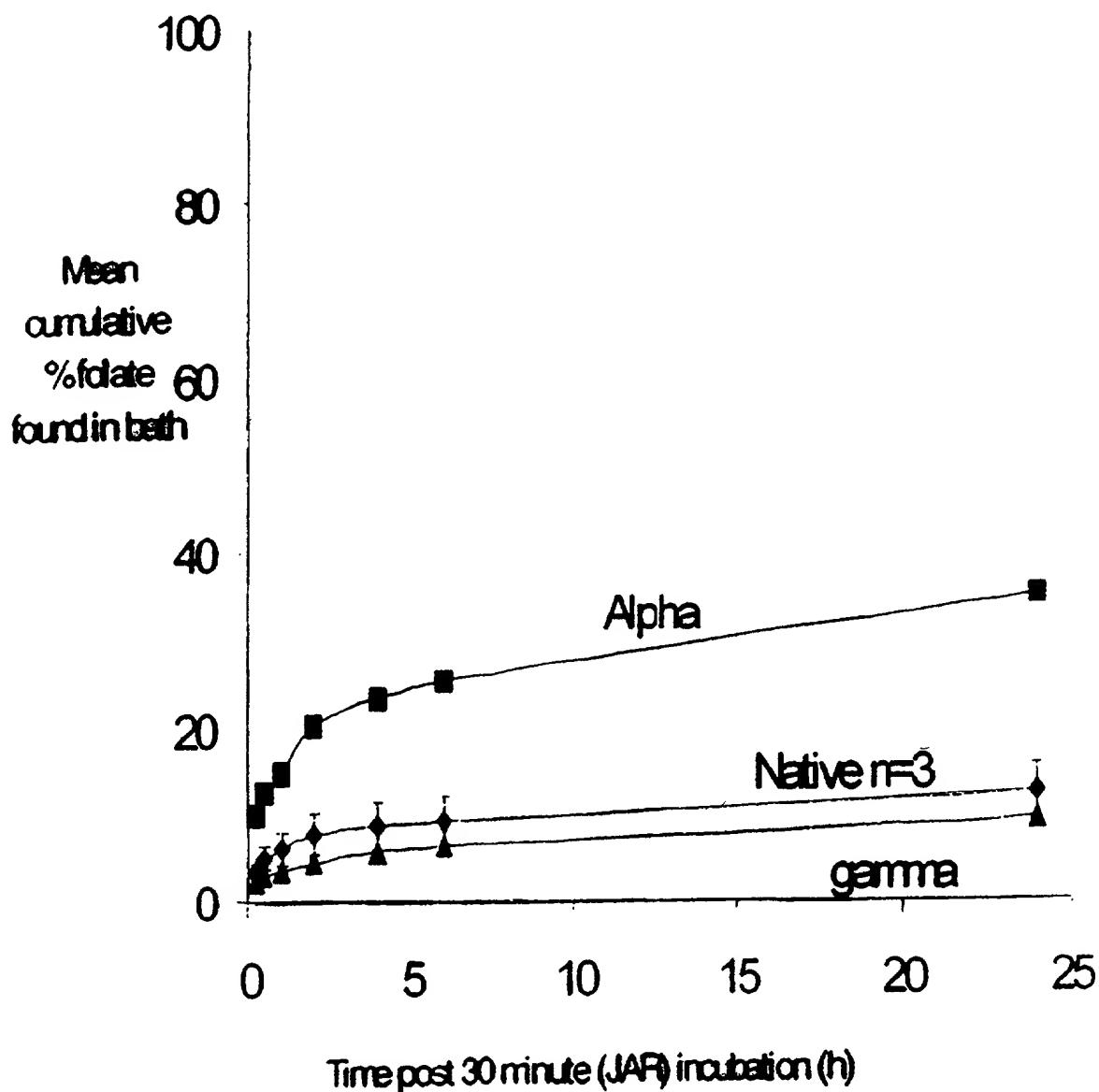
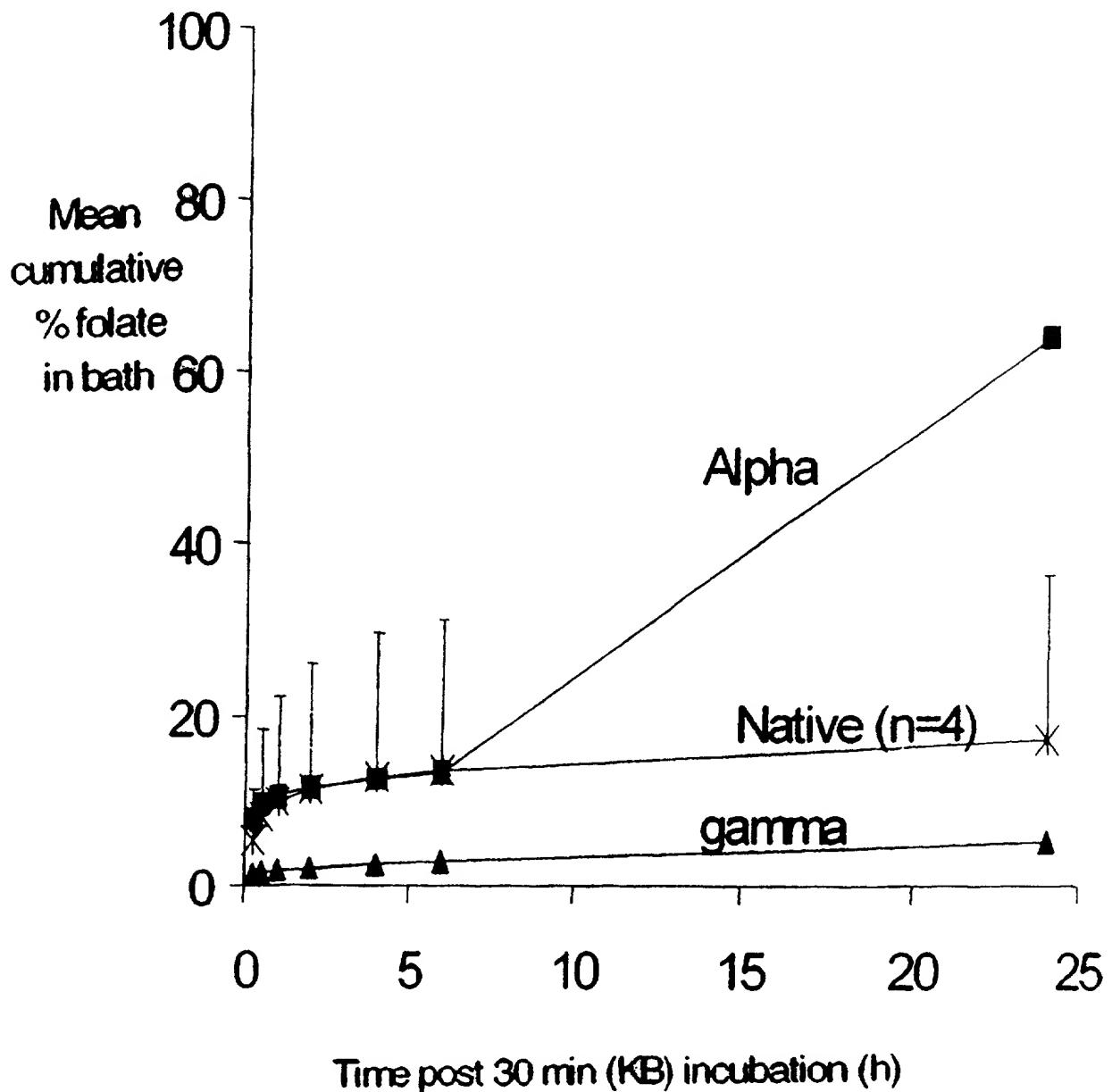


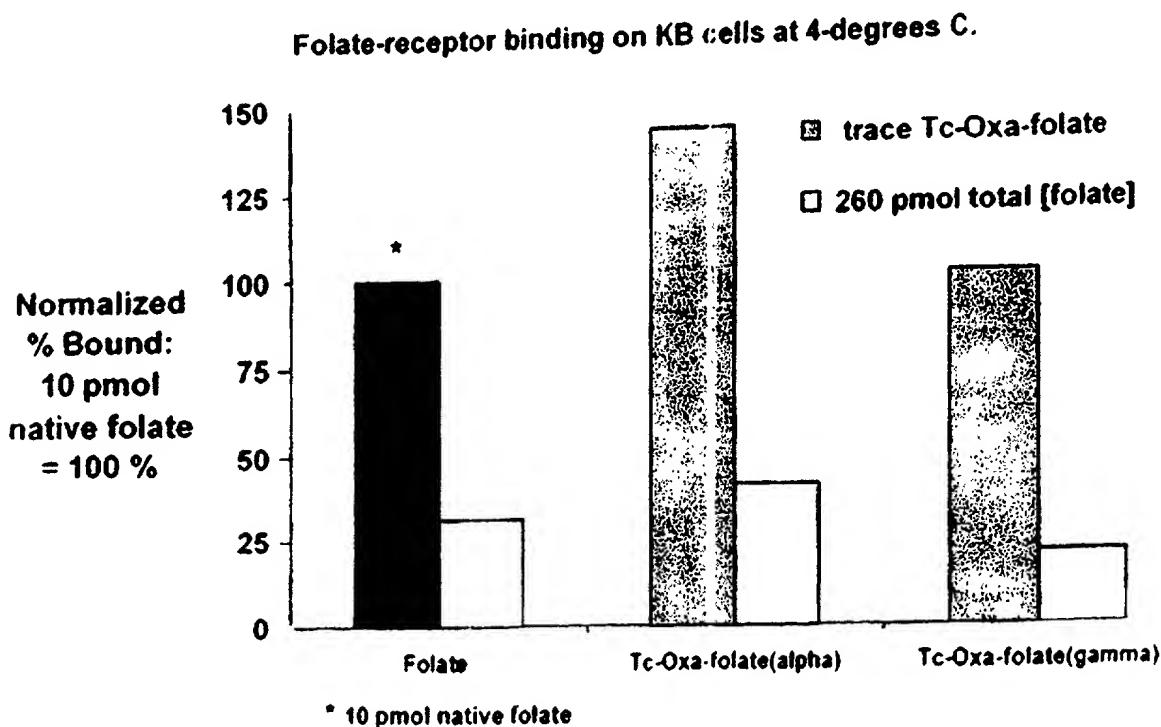
FIGURE 3A

Washout of  $^{153}\text{Gd}(\text{DO3A-APA})\text{-}(\alpha\text{- or }\gamma\text{-folate}$  or  $^3\text{H-folate}$  from KB cells



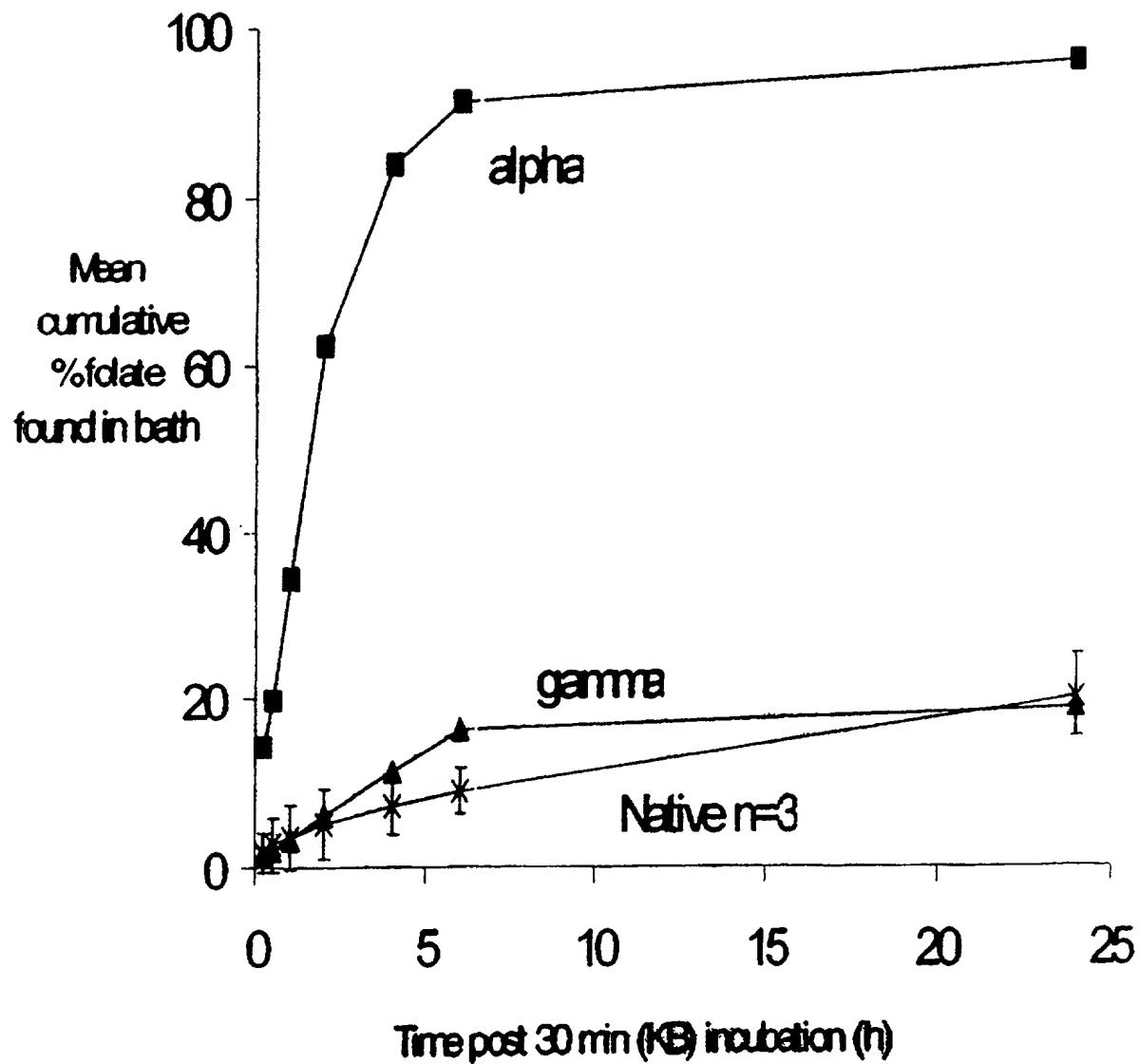
**Figure 4**

Binding of  $^3\text{H}$ -folate and alpha or gamma isomer of  $^{99\text{m}}\text{Tc}$ -Oxa-folate to KB cells at 4°C in the presence and absence of excess folate.



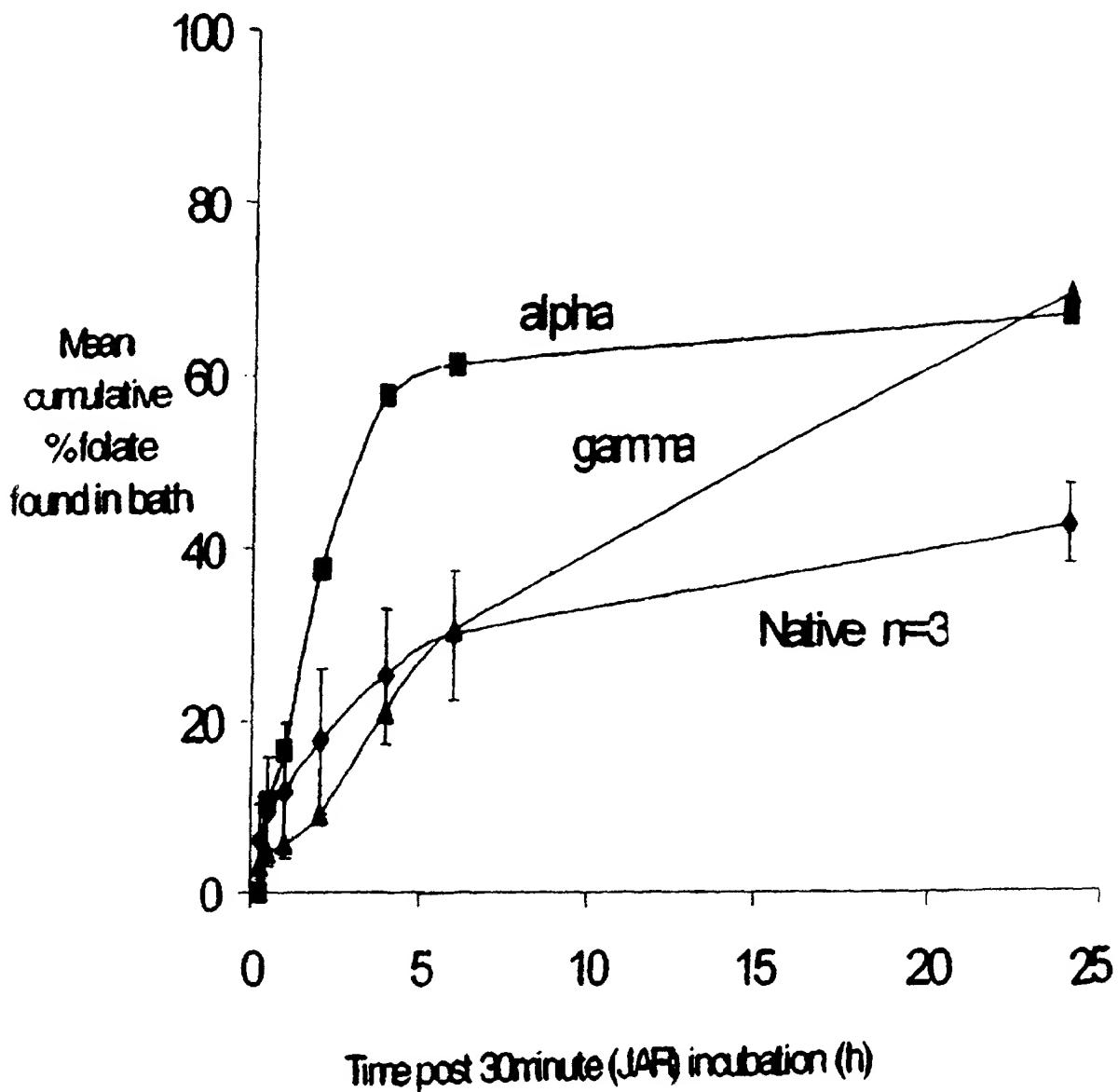
**FIGURE 4A**

Exchange (with 250 nm cold folate in the medium)  
of folates from KB cells

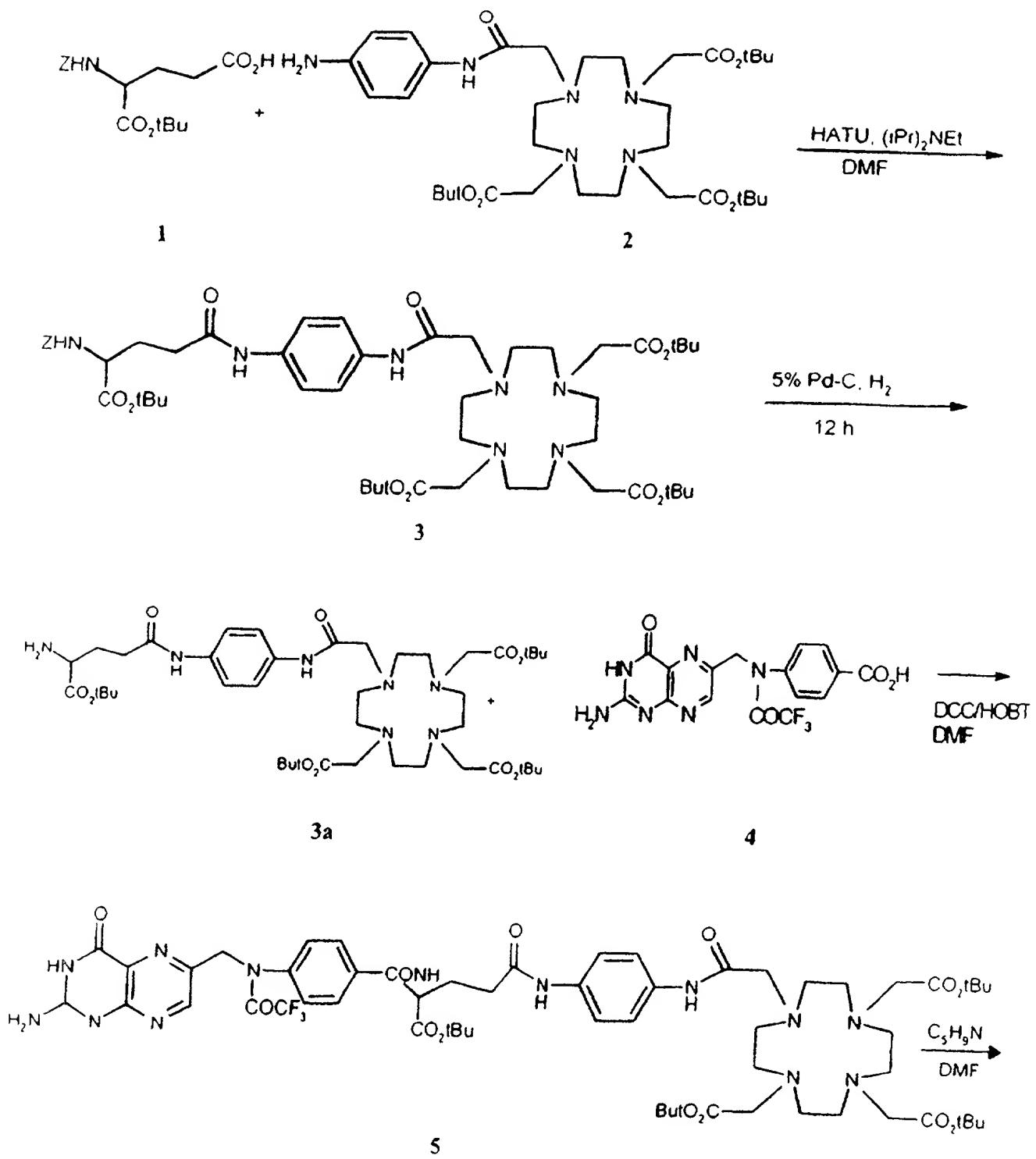


**FIGURE 4B**

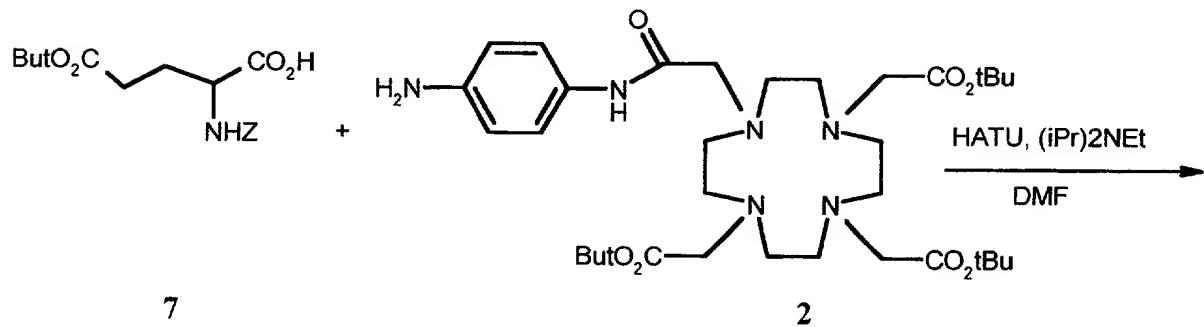
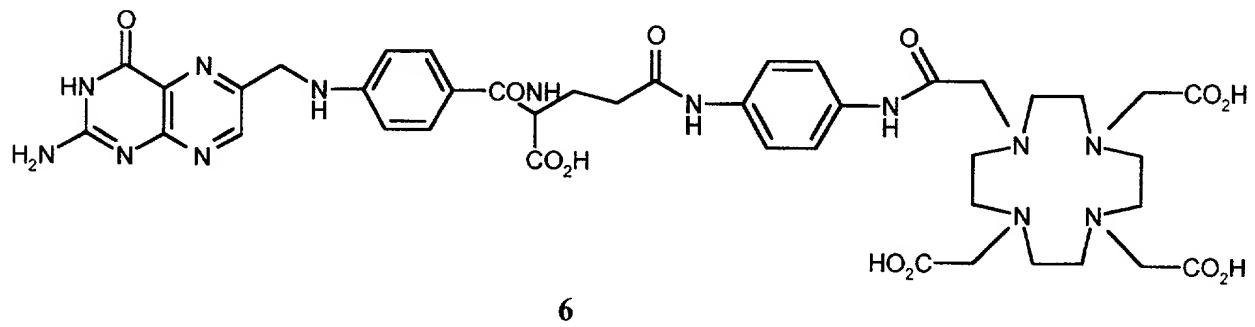
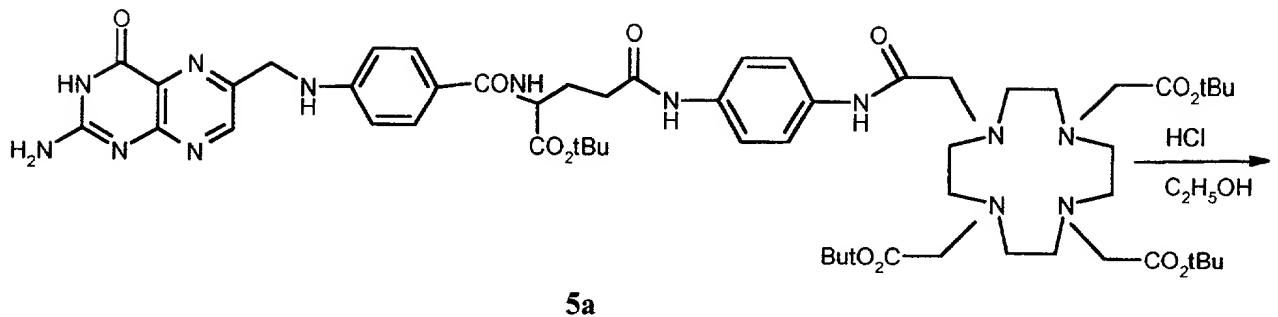
Exchange (with 250 nm cold folate in the medium)  
of folates from JAR cells



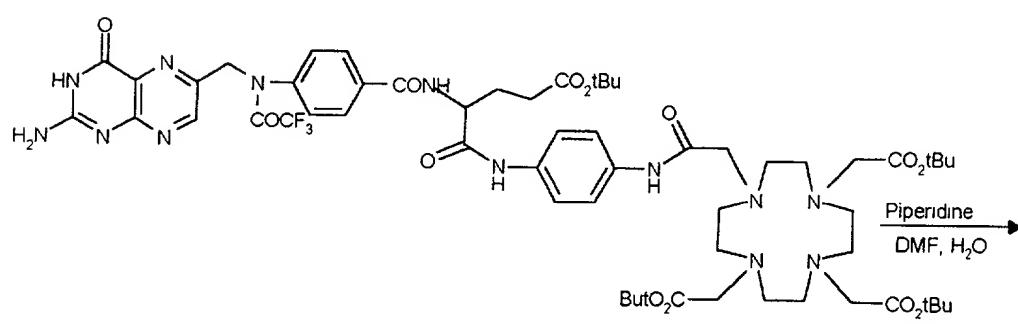
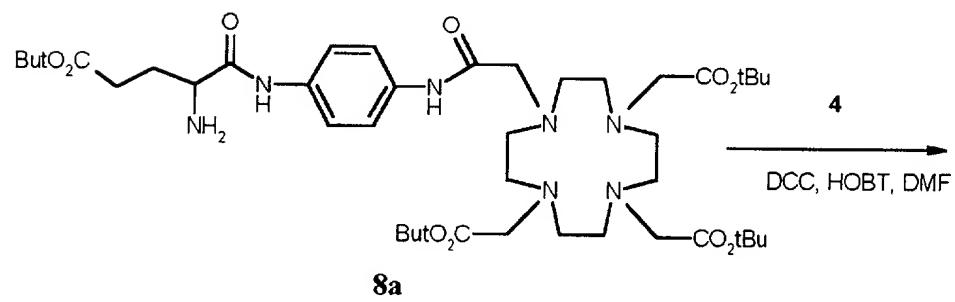
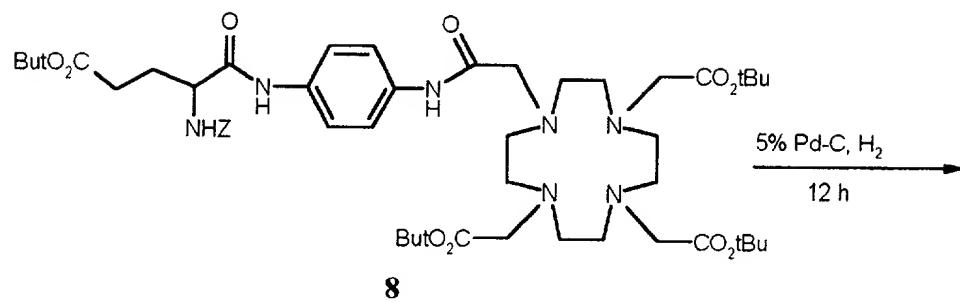
**FIGURE 5**



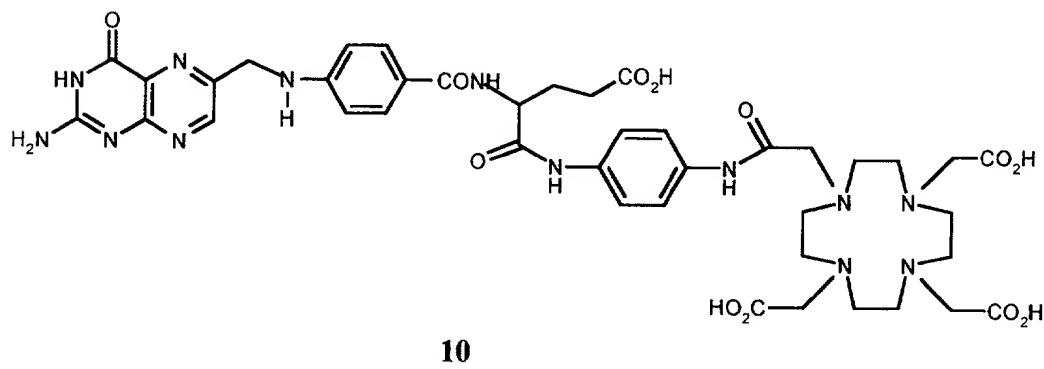
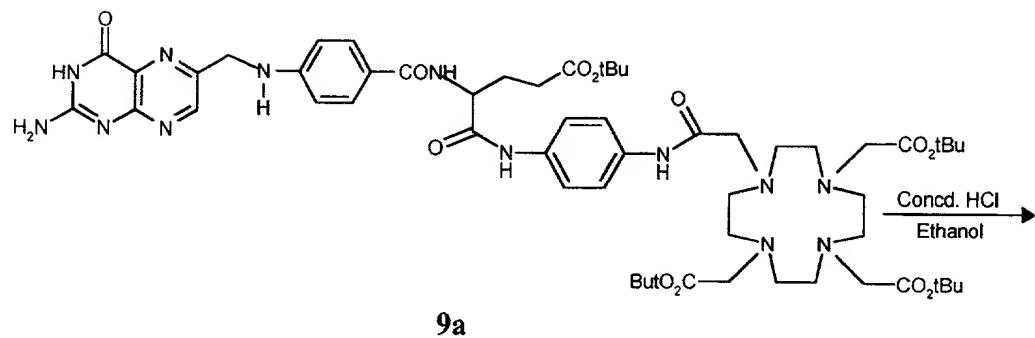
**FIGURE 5A**



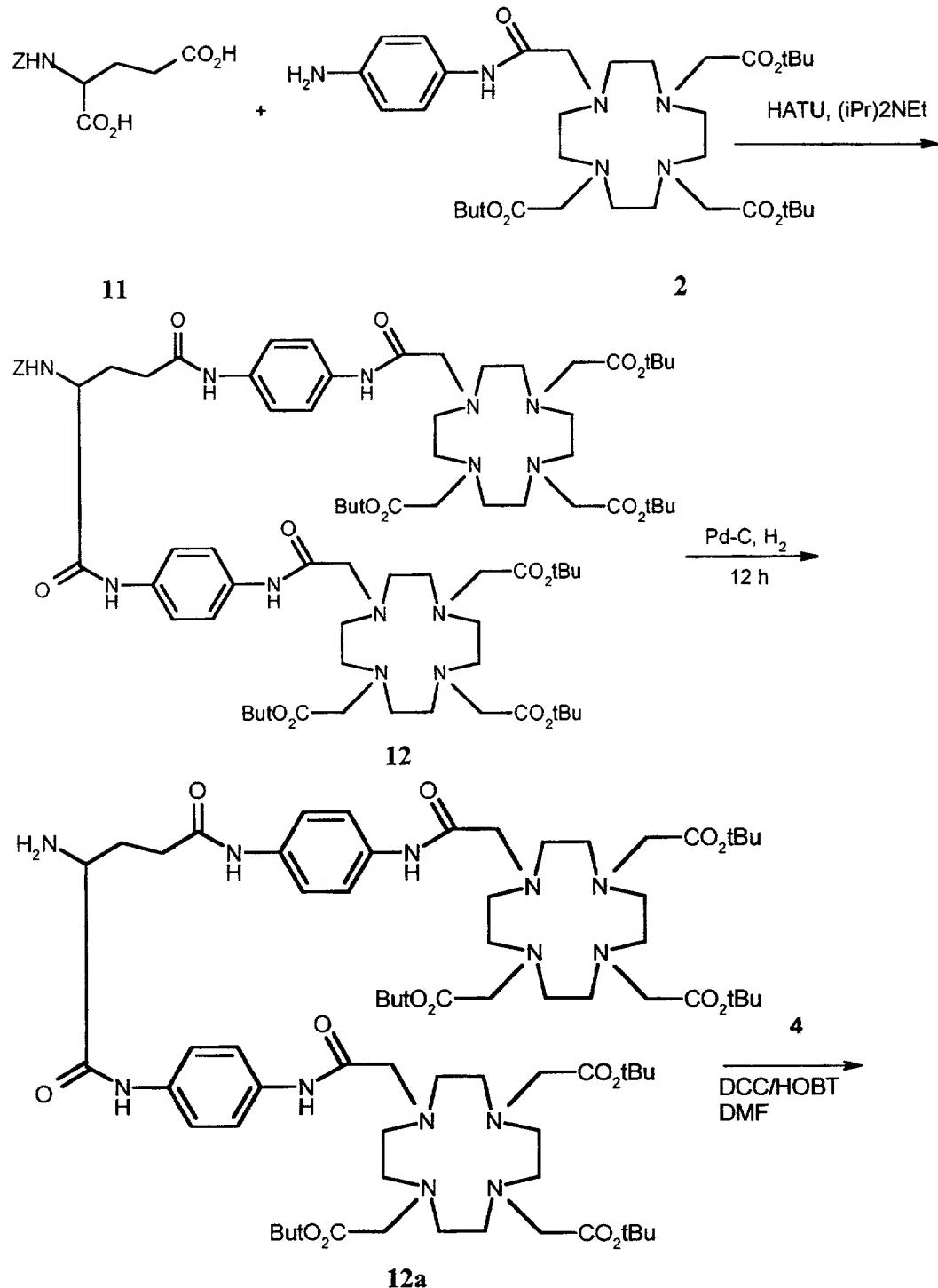
## **FIGURE 6**



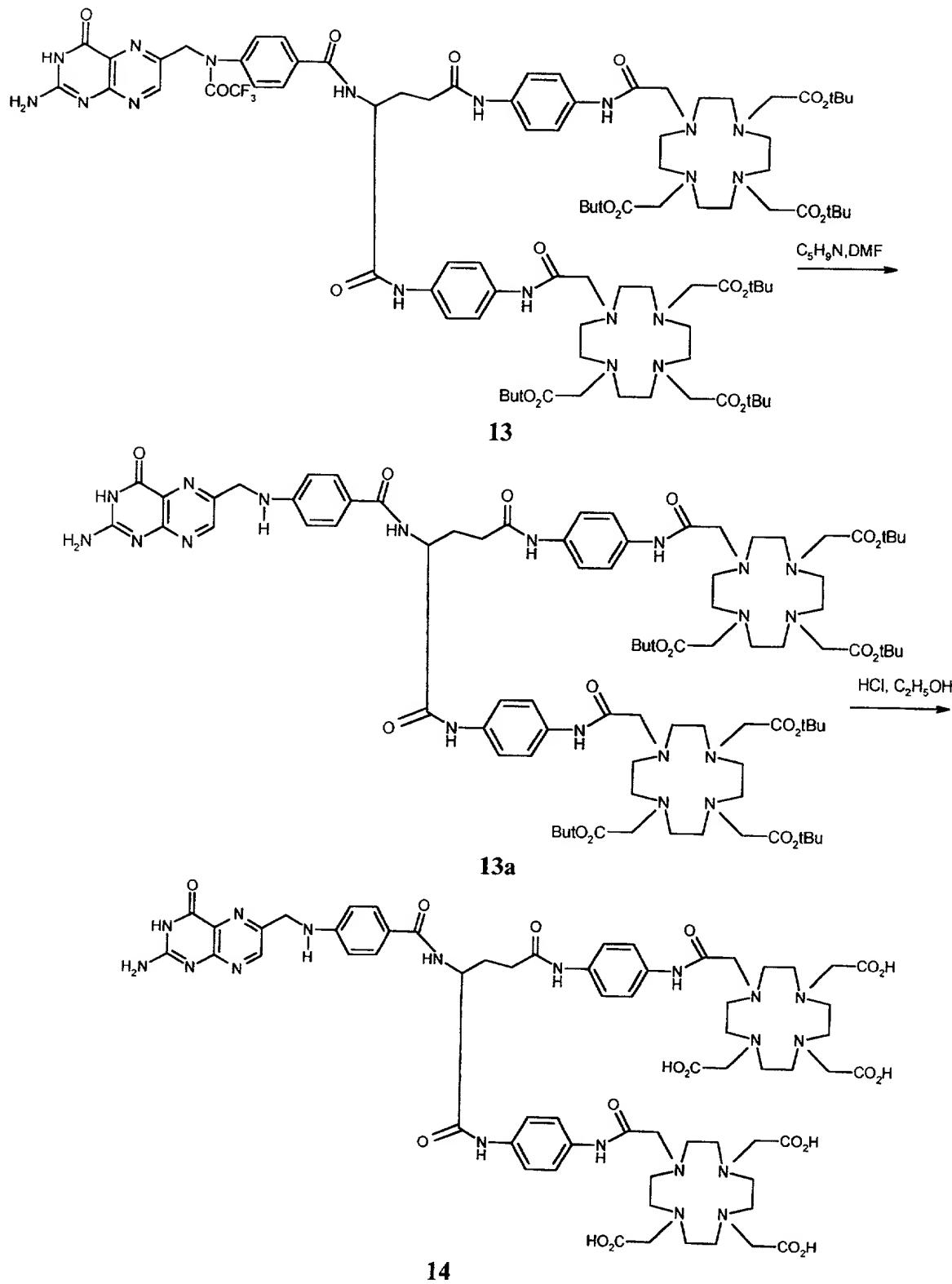
**FIGURE 6A**



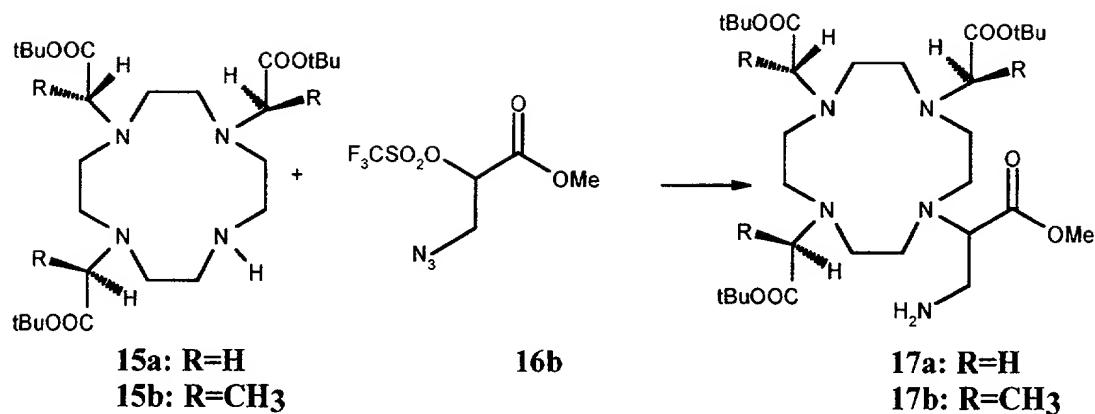
**FIGURE 7**



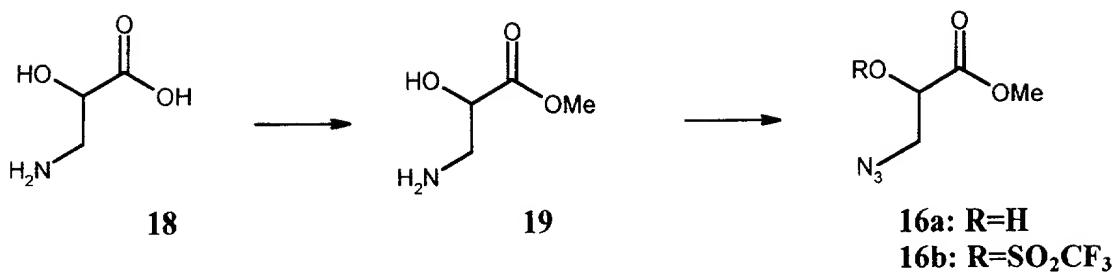
**FIGURE 7A**



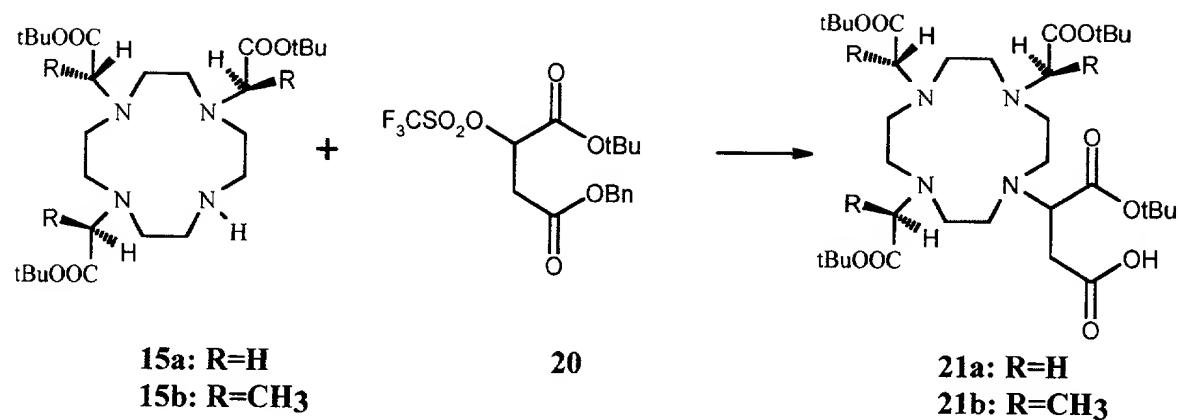
**FIGURE 8**



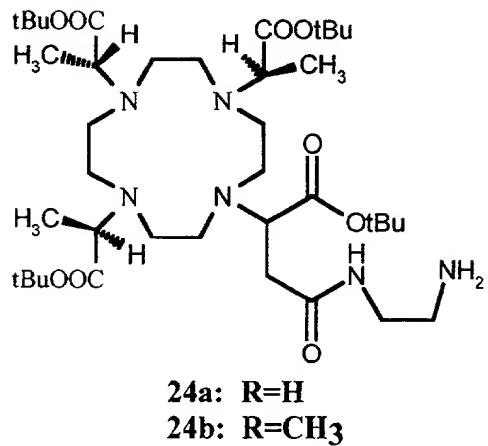
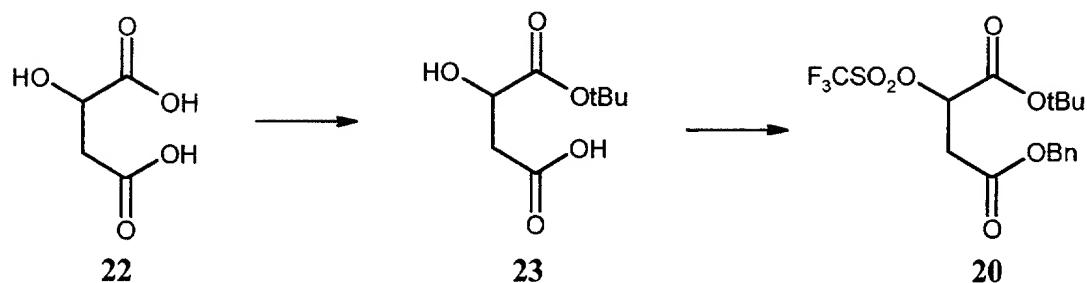
**FIGURE 9**



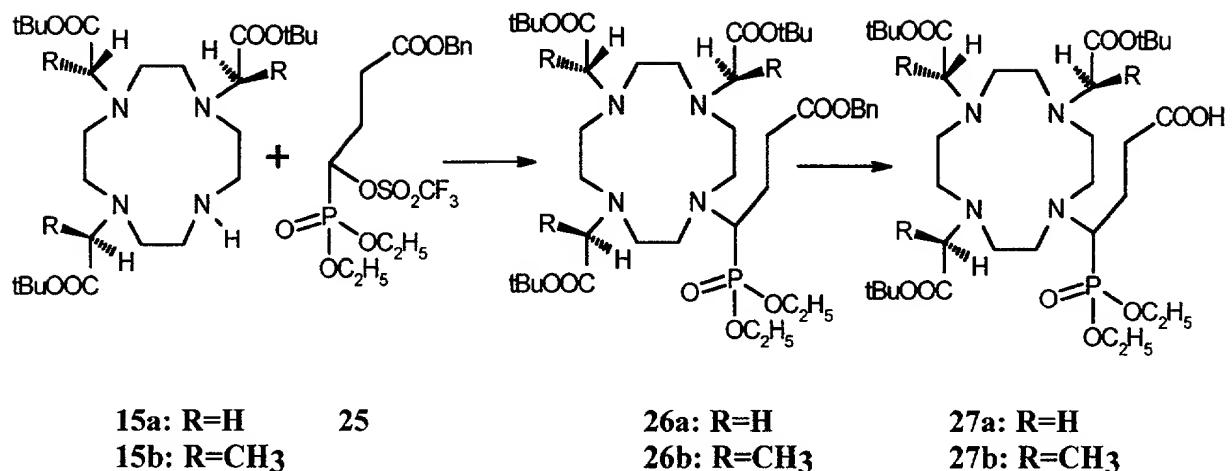
**FIGURE 10**



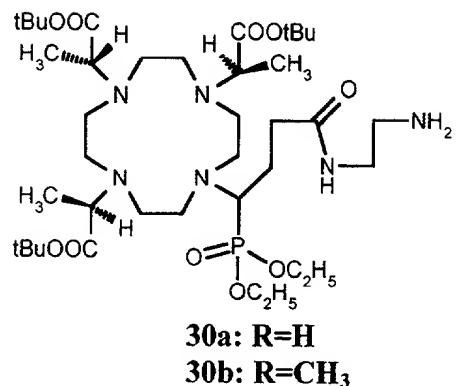
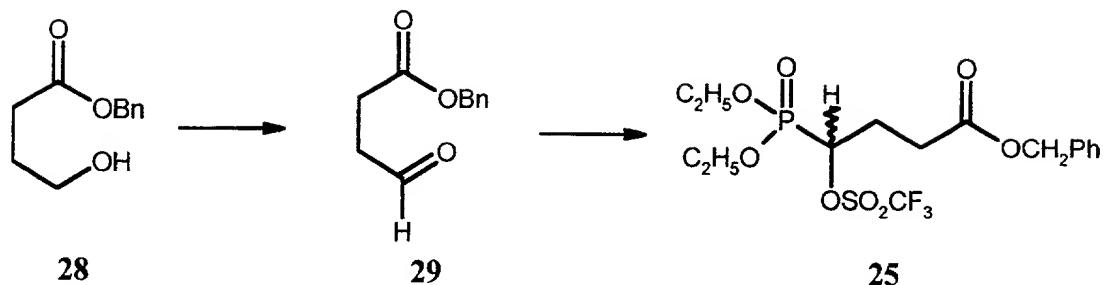
**FIGURE 11**



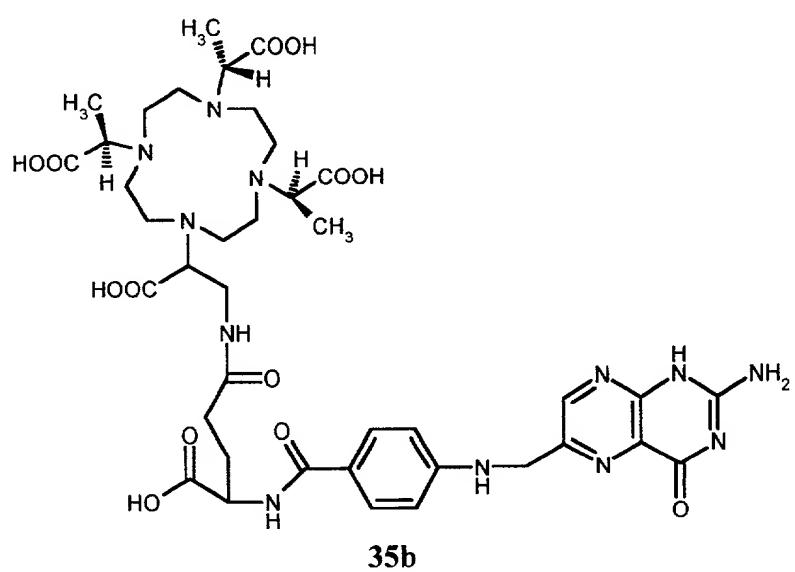
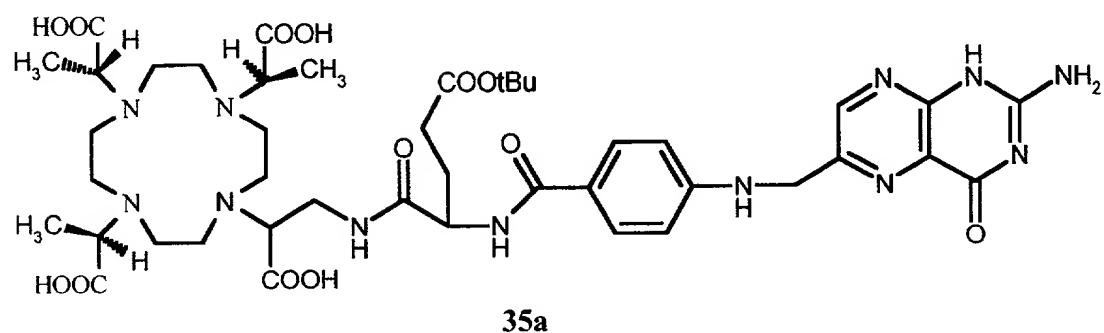
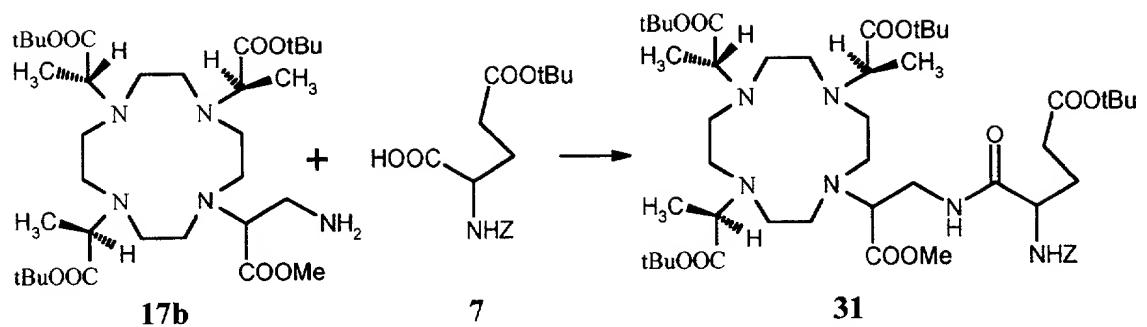
**FIGURE 12**



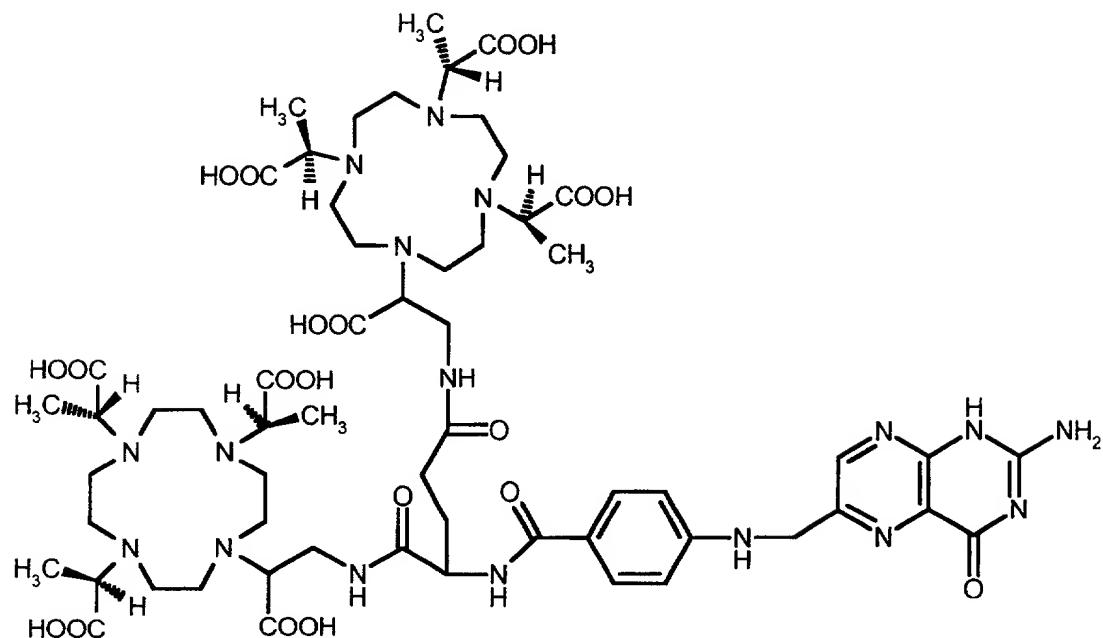
**FIGURE 13**



**FIGURE 14**

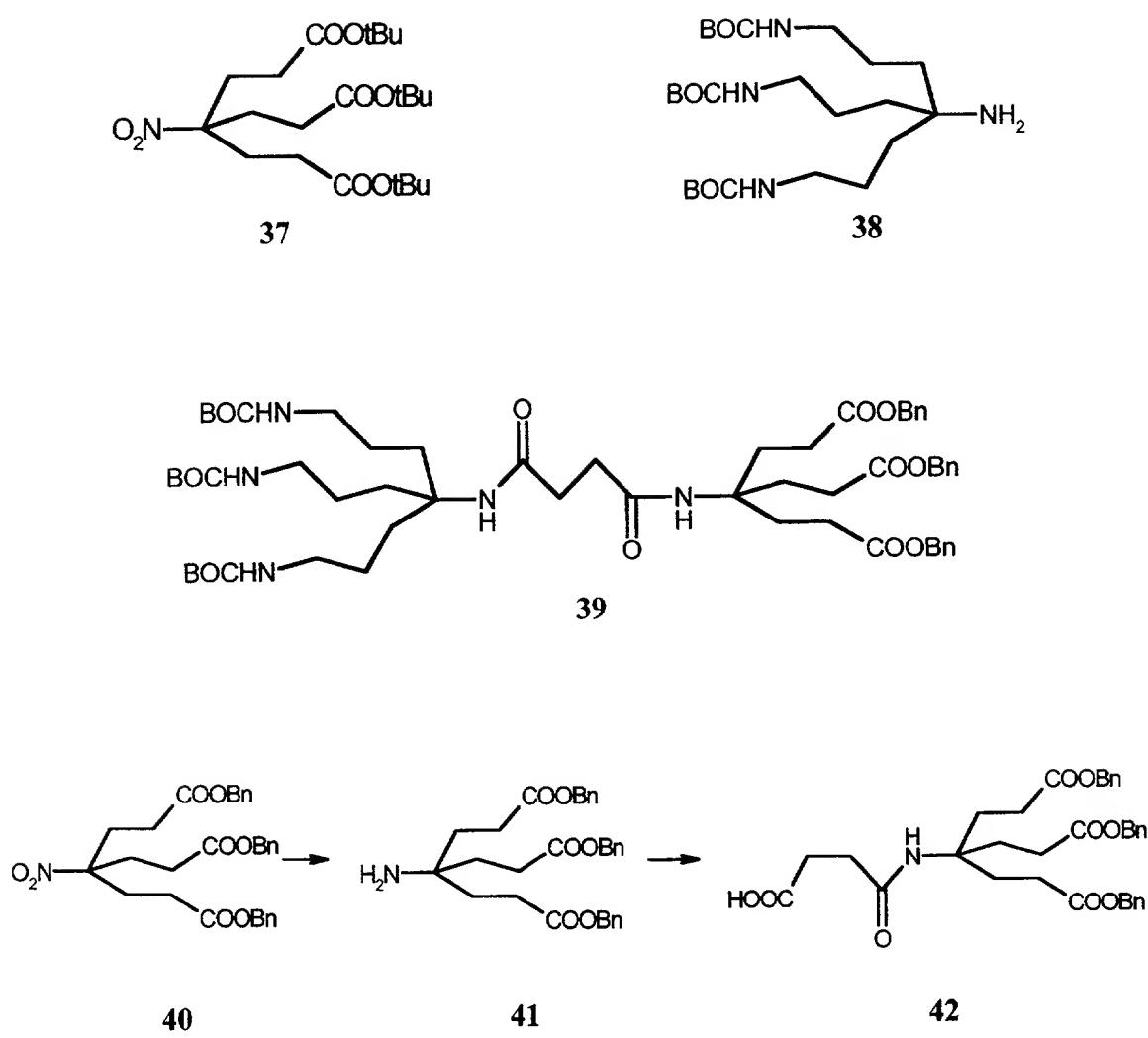


**FIGURE 14A**

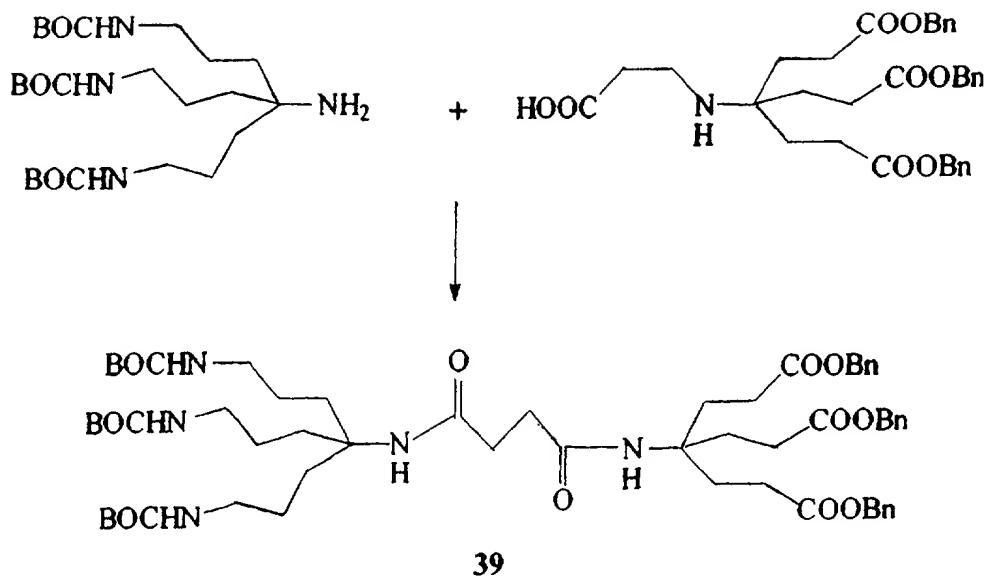


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**FIGURE 15**

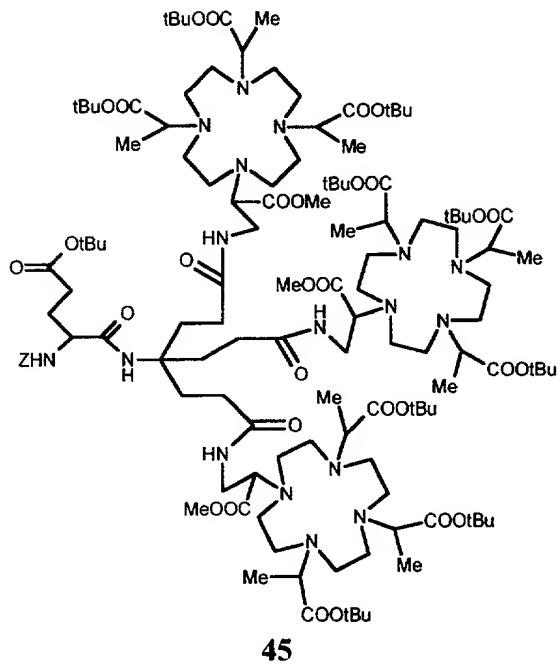
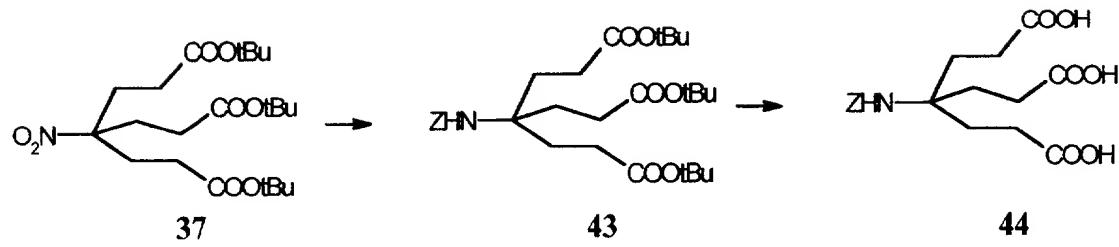


**FIGURE 16**

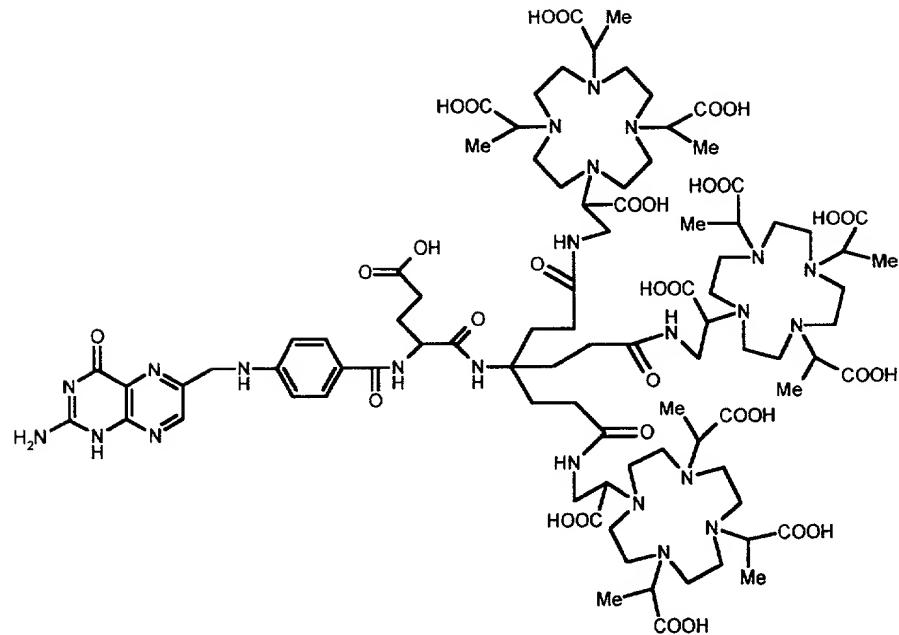


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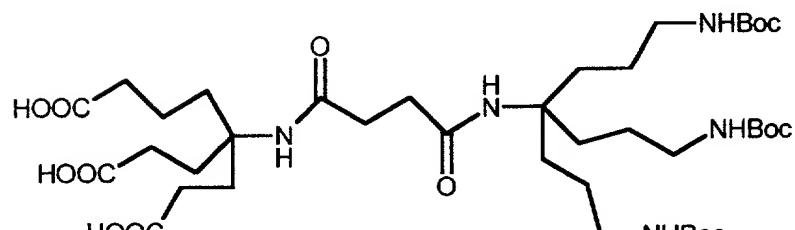
**FIGURE 17**



**FIGURE 17A**

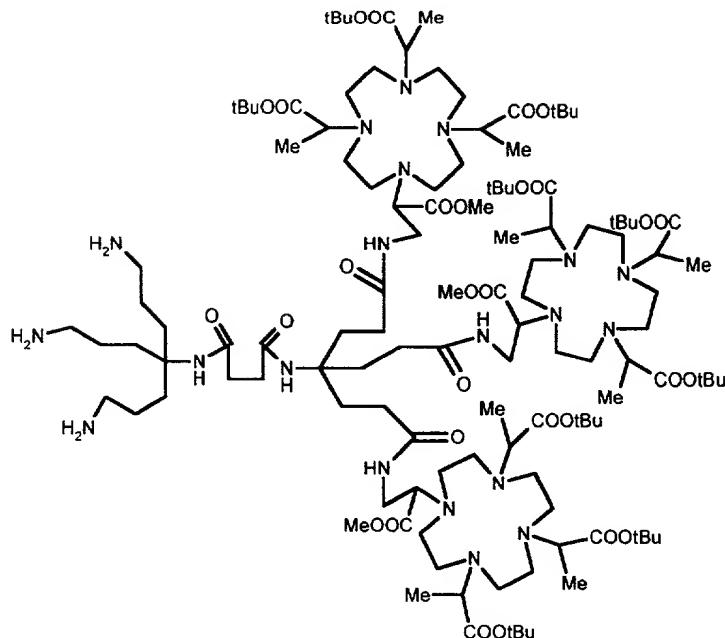


**46**

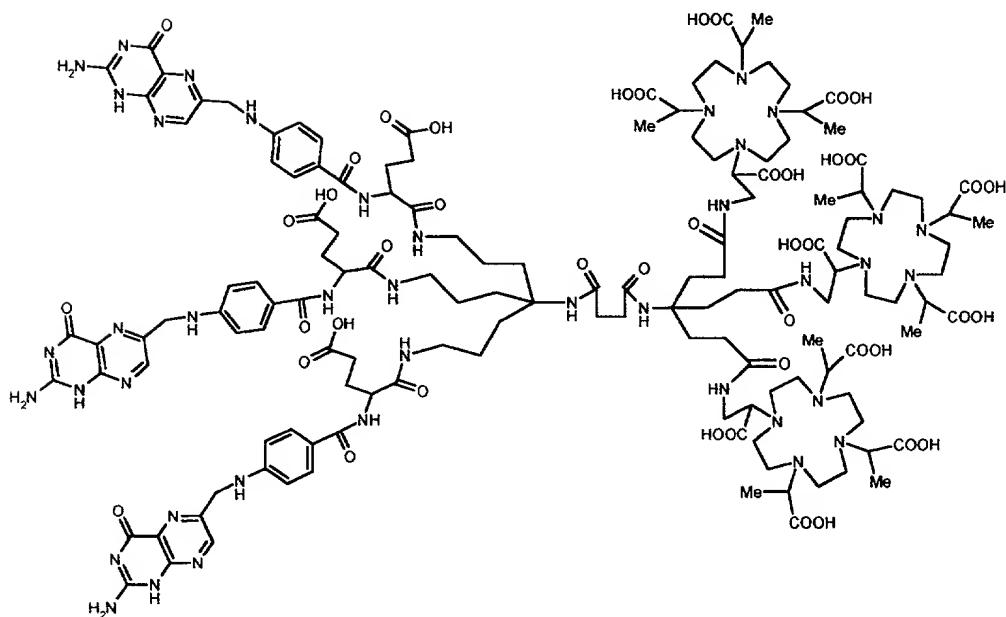


**47**

**FIGURE 17B**

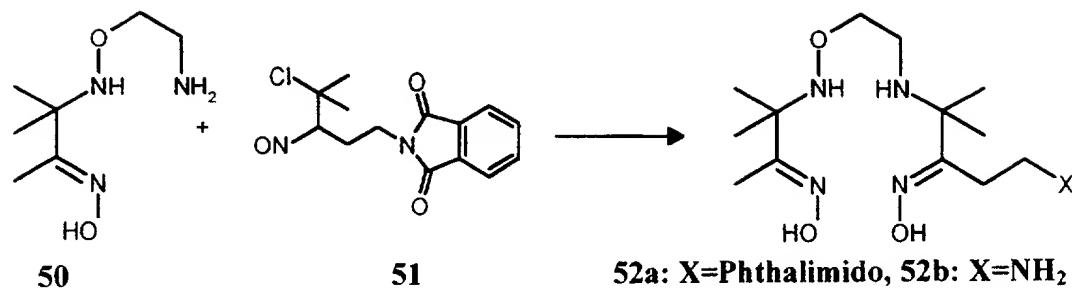


48

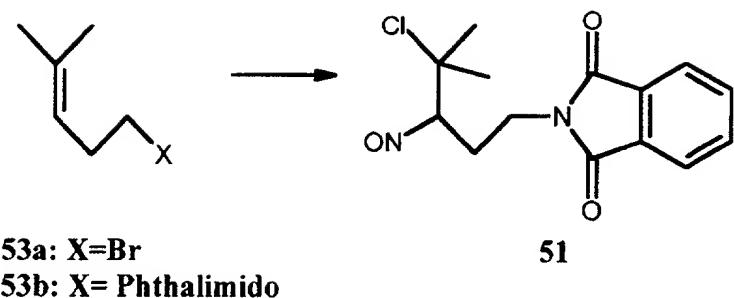


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**FIGURE 18**



**FIGURE 19**



**53a: X=Br**

**53b: X= Phthalimido**

**51**

**FIGURE 20**

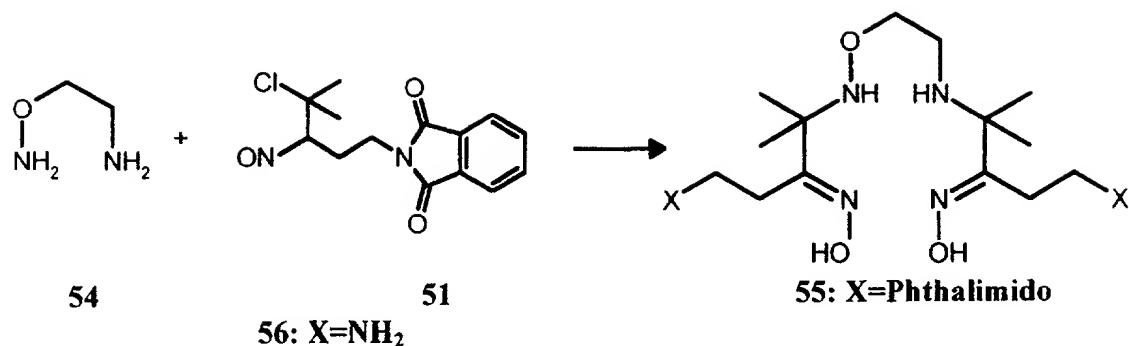
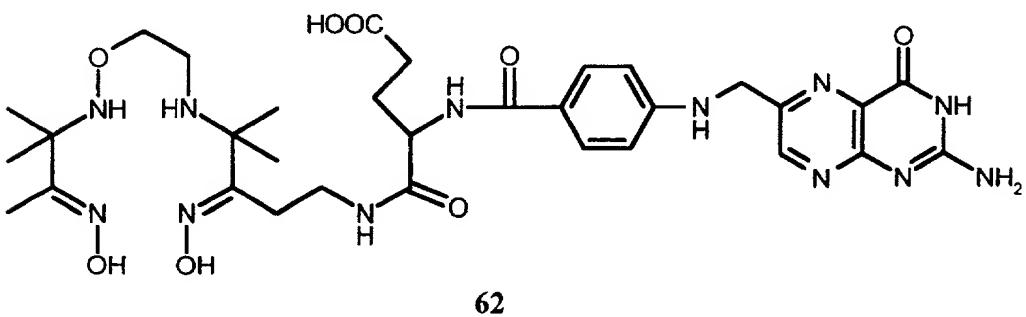
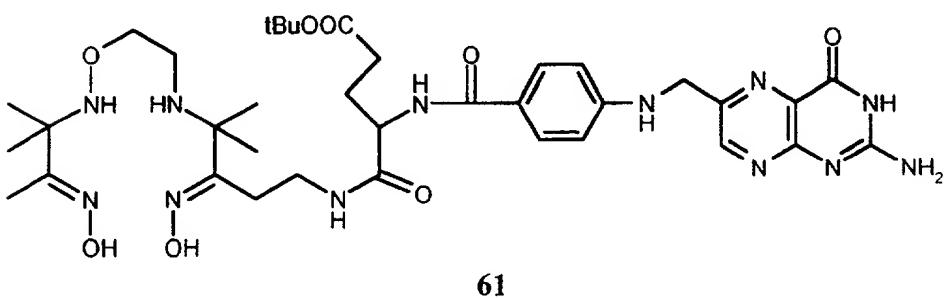
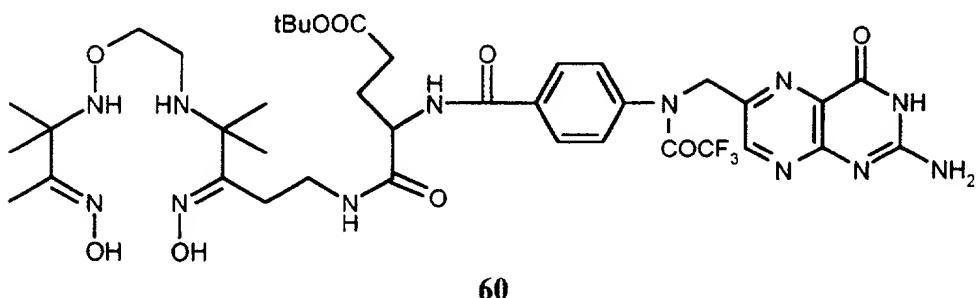
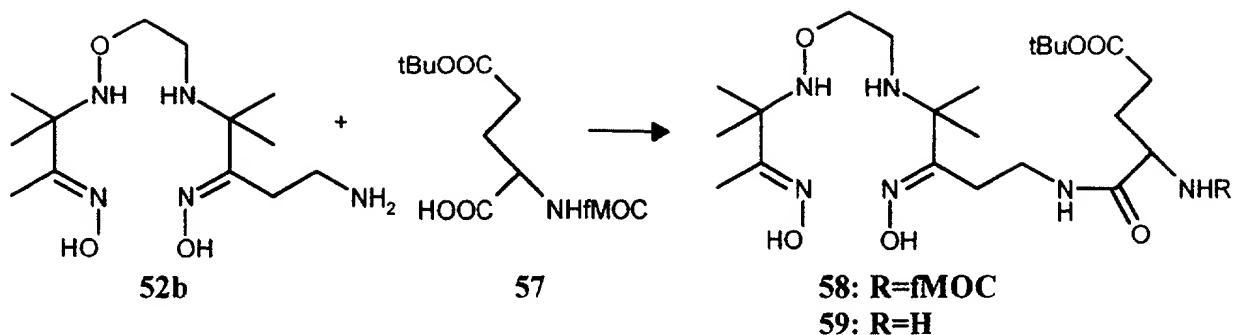


FIGURE 21



**FIGURE 22**

